

ABSTRACT OF THE DISCLOSURE

An optical fiber array is provided in which an optical fiber tip end is housed in a holding member (2). The holding member (2) consists of a substrate (3) and a cover plate (5). The substrate (3) forms a sectional V shaped housing groove (4) for housing the optical fiber (1) on a top face. The cover plate (5) covers the top face of the substrate (3). An adhesive is filled between the substrate (3) and the cover plate (5) which fixes optical fiber (1) in the housing groove. A distance Y between the substrate (3) and the cover plate (5) is $L/6 \leq Y \leq L$, with Y being the thickness of the adhesive layer and L being a distance from a contact point (P) between the housed optical fiber (1) and the housing groove (4) to the cover plate (5). In this manner, even under severe environmental conditions, a release or delamination of the holding member (2) is not likely to occur, and good optical coupling characteristics can be maintained.

Substitute abstract